

## ABSTRACT

There is disclosed a process for producing bisphenol A by subjecting phenol and acetone to condensation reaction in the presence of a catalyst composed of an acid type ion exchange resin which is modified in part with a sulfur-containing amine compound, wherein the ion exchange resin having a modification rate of 10 to less than 20 mol% is used for a methanol concentration in acetone of lower than 250 ppm by weight, and the ion exchange resin having a modification rate of 20 to 65 mol % is used for a methanol concentration in acetone of 250 to 8000 ppm by weight. The above process is capable of producing bisphenol A at high conversion and selectivity by suppressing deterioration of catalytic activity due to methanol as an impurity in acetone.